

Grade 4th Math Worksheet 4: Measurement of Weight-Conversions and Operations (Intermediate Level)

Name: _____

Date: _____

Part 1: Conversion of Units of Weight

1. Convert the following weights:

- a) 8 kilograms (kg) = _____ grams (g)
 - b) 2200 grams (g) = _____ kilograms (kg)
 - c) 15,000 milligrams (mg) = _____ grams (g)
 - d) 3.5 kilograms (kg) = _____ grams (g)
 - e) 480 grams (g) = _____ kilograms (kg)
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Part 2: Addition and Subtraction of Weights

2. Solve the following:

- a) Add: 4.5 kg (flour) + 2.8 kg (sugar) = _____ kg
 - b) Subtract: 7.5 kg (watermelon) - 3.2 kg (eaten) = _____ kg
 - c) Add: 500 g (rice) + 700 g (beans) + 1.2 kg (lentils) = _____ grams or _____ kilograms
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Part 3: Multiplication and Division with Weights

3. Solve the following:

a) Multiply: $450 \text{ g (carrots)} \times 7 = \underline{\hspace{2cm}} \text{ g}$ or $\underline{\hspace{2cm}} \text{ kg}$

b) Divide: $6.4 \text{ kg (flour)} \div 4 = \underline{\hspace{2cm}} \text{ kg}$ or $\underline{\hspace{2cm}} \text{ g}$

c) Multiply: $1.8 \text{ kg (chicken)} \times 3 = \underline{\hspace{2cm}} \text{ kg}$ or $\underline{\hspace{2cm}} \text{ grams}$

Part 4: Word Problems on Weight

4. Answer the following questions:

a) You have 5.6 kilograms of rice. How many grams is that?
 $\underline{\hspace{2cm}}$ grams

b) You bought 3 bags of potatoes. Each bag weighs 2.3 kilograms. What is the total weight of the potatoes in kilograms and grams?
 $\underline{\hspace{2cm}}$ kg
 $\underline{\hspace{2cm}}$ g

c) You are making bread. The recipe calls for 300 grams of flour, but you want to make 5 times the recipe. How much flour do you need in total?
 $\underline{\hspace{2cm}}$ grams or $\underline{\hspace{2cm}}$ kilograms

Part 5: Real-Life Applications with Weight

5. Answer the following questions:

a) A box of cereal weighs 450 grams. If you want to buy enough boxes to get 3 kilograms of cereal, how many boxes will you need?
 $\underline{\hspace{2cm}}$ boxes

b) Your luggage weighs 12 kilograms. You bought 3 new books, and each book weighs 500 grams. How much will your luggage weigh after adding the books?
 $\underline{\hspace{2cm}}$ kg or $\underline{\hspace{2cm}}$ g

c) You have 8 kilograms of apples, and you want to divide them equally into 4 baskets. How much will each basket weigh in kilograms and grams?

_____ kg or _____ g

Bonus Question:

6. A chocolate bar weighs 125 grams. You want to buy enough bars to have a total of 2 kilograms of chocolate. How many chocolate bars do you need to buy?

_____ bars

--BE THE CHAMPION!--